

NIEHS SNPs Workshop: Introduction to Workshop and EGP

Debbie Nickerson

Department of Genome Sciences University of Washington



Dr. Kenneth Olden, Director of the National Institute of Environmental Health Sciences (NIEHS), convened a historic conference titled "The Environmental Genome Project" on October 17-18, 1997 in Bethesda, Maryland.

Bold Concept:

EGP - Focus on Association Analysis and Environment **Precursor of Many Projects:**

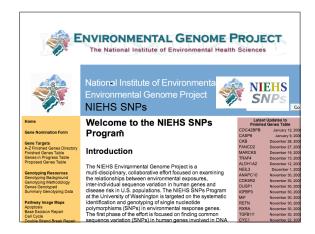
NHGRI - Variation Discovery and HapMap Perlegen

...... 100s of publications using the resources



The EGP is a multi-component project comprised of research in four areas:

- human DNA polymorphism discovery;
- functional analysis of DNA polymorphism;
- · population-based epidemiology studies;
- · and technology development.



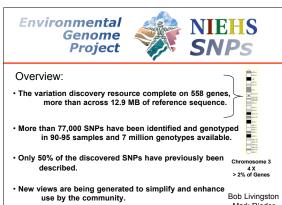




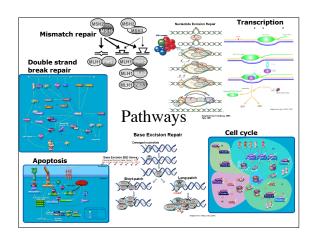
Goals for NIEHS SNPs:

- To identify common sequence variation in genes and pathways that underlie environmental reponses
- To provide a variation resource for investigators examining the relationships between environmental exposures. inter-individual sequence variation in human genes and disease risk.

http://egp.gs.washington.edu



Mark Rieder



Workshop Faculty



NIEHS Workshop Agenda

Day 1:

Finding SNPs I and II
Mark Rieder and Bob Livingston
SNP Selection
Dana Crawford
Interactive Tutorial I - Database
Interfaces
All, led by Mark Rieder and Bob
Livingston

NIEHS Workshop Agenda

Day 2:

Interactive Tutorial II:
All, led by Dana Crawford
SNP Genotyping
Debbie Nickerson
Association Analysis
Chris Carlson
Medical Resequencing
Debbie Nickerson
Resequencing Roundtable
Bob Livingston

Many Thanks!

David Schwartz - Director Sam Wilson - Deputy Director

Liz Maull and Lauranell Burch Gwen Collman

Alma Britton Jack Field Eric Torskey - UW